

APPLICATION FOR STATION LICENSE
FAMILY WORSHIP CENTER CHURCH, INC.
WJNS-FM RADIO STATION
CH 221A - 92.1 MHZ - 4.8 KW
BENTONIA, MISSISSIPPI
April 2010

EXHIBIT A

WJNS-FM Transmission System Calculations

Effective Radiated Power: Horizontal/Vertical	4.8 kilowatts
Antenna:	Shively Labs 6813-3-PR
Horizontal gain	3 bay full wavelength spaced 1.55
Transmission Line: (387 feet)	Andrew Corporation HJ7-50A 1 5/8 inch air dielectric 83.8% Efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	3.695 kilowatts

Facilities Authorized:	Channel 221A - 92.1 MHz
Effective Radiated Power:	4.8 kilowatts (H/V)
Geographic Coordinates:	North Latitude 32° 33' 25.0" West Longitude 90° 20' 14.0"
Antenna Center of Radiation:	Above Ground 110.0 meters Above MSL 179.0 meters HAAT 111.0 meters
Antenna Structure Registration #:	1215827